Docket No.: 0918.2049-000
Title: SYSTEMS AND METHODS FOR...
Inventors: Jean-Manuel Van Thong, et al.

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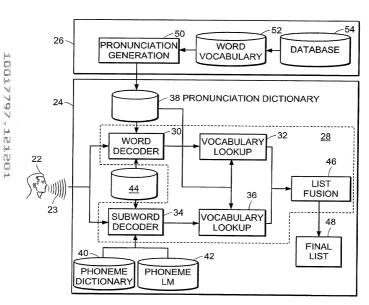
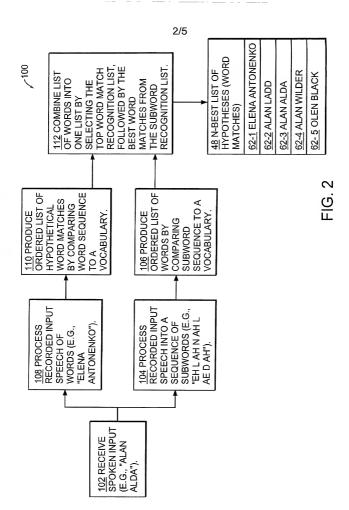


FIG. 1

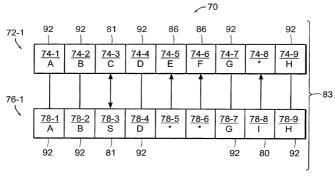
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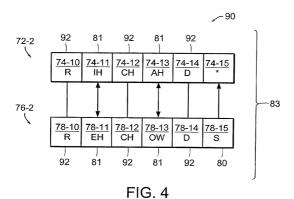
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FIG. 3

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MATCHING THE INPUT PATTERN BASED ON THE EVALUATION OF EACH GENERATED PATTERN COMPARISON. MEASURE INDICATING HOW CLOSE EACH INPUT PATTERN IS TO MATCHING EACH REFERENCE PATTERN. $\overline{210}$ GENERATE A SET OF HYPOTHETICAL MATCHES TO THE SPOKEN INPUT BY SORTING THE SOURCE SET 206 GENERATE PATTERN COMPARISONS BETWEEN AN INPUT PATTERN CORRESPONDING TO THE SUBWORD UNITS AND A SOURCE OF REFERENCE PATTERNS BASED ON A PRONUNCIATION DICTIONARY. 204 DETECT SUBWORD UNITS (E.G., PHONEMES) IN THE SPOKEN INPUT BASED ON AN ACOUSTIC OF REFERENCE PATTERNS BASED ON A CLOSENESS OF EACH REFERENCE PATTERN TO CORRECTLY EVALUATE EACH GENERATED PATTERN COMPARISON BY DETERMINING A WORD DISTANCE EACH GENERATED PATTERN COMPARISON IS BASED ON THE INPUT PATTERN AND ONE OF THE RECEIVE A SPOKEN INPUT FOR A SPEECH DETECTION SYSTEM. MODEL OF SUBWORD UNITS AND A LANGUAGE MODEL OF SUBWORD UNITS REFERENCE PATTERNS. 202 208

FIG. 5

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